University of the Philippines Manila
The Health Sciences Center
BIDS & AWARDS COMMITTEE 1 (BAC 1)

Proj. Ref. No.: **BAC1-2023-10-0083** Opening of Bids: **01 December 2023**
End-User: **DEPARTMENT OF OBSTETRICS AND GYNECOLOGY** Total ABC: **Php1,000,000.00**
Project: **SUPPLY, DELIVERY AND TESTING OF TWO (2) BRAND NEW FETAL AND MATERNAL MONITOR**
Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					In Figures	In Words
1	2	Pc	**BRAND NEW FETAL AND MATERNAL MONITOR**	500 ,000.00		
			A. General Requirements:			
			1. The machine must be able to continuously monitor fetal heart rate, fetal movements and uterine activities during childbirth 2. Signal Overlap Verification to differentiate twin fetal heart rate (FHR) and maternal heart rate (MHR) 3. The machine must have the capability to provide internal monitoring parameters, such as direct ECG (DECG) and intrauterine pregnancy (IUP) 4. The machine must be able to provide cardiotocography (CTG) analysis			
			B. Appearance/Dimensions			
			1. The unit must not be larger than 347 mm x 330 mm x 126 mm. 2. The unit must not be heavier than 6 kg 3. The machine must have a portable handle and probe rack. 4. The monitor must have both			

Approved by:

Dean CHARLOTTE M. CHIONG, MD., PhD.
Chairperson

(Signature over Printed Name of President / Gen. Manager)

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			keypad and knob, and /or touchscreen 5. The machine must have both wall mount and trolley solutions 6. The machine must come with a trolley with shelf.			
			C. Display			
			1. 60-degree foldable LCD screen 2. Touch screen 3. Resolution is at least 800 x 480 4. Displays fetal heart rate and uterine activity in both waveform and digital format simultaneously. 5. Baseline adjustment for uterine activity display.			
			D. Transducers			
			1. At least two (2) fetal heart rate transducer per unit a. Waterproof ultrasound transducer b. Pulse waved ultrasound transducer c. The weight of transducers must be less than 200g d. FHR measurement range: 50-240 bpm e. Accuracy: ± 1bpm f. The central frequency of the ultrasound transducer is at least 1.0 MHz g. The ultrasound frequency is at least 1.0MHz±10%			

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			h. Iob < 10 mW/cm2 i. Cable length is at least 2.5m 2. At least One (1) unit Toco Transducer per unit a. Waterproof TOCO transducer b. Flat surface TOCO transducer c. TOCO Range: 0% - 100%. d. Non-linear Error: <+ 10% e. Zero Mode: Automatic/Manual f. The weight of transducers must be less than 200g g. Cable length is at least 2.5m			
			E. Auto Fetal Movement Monitor			
			1. Technique: Pulsed Doppler ultrasound 2. Range: 0-100 (%)			
			F. Alarm			
			1. The end usersmust be able to review the recent 50 alarm records with the date and time information 2. With visual and audible indicator for fetal bradycardia and tachycardia 3. Alarm settings must be adjustable, such as FHR upper limits and lower limits 4. The alarm can be disabled 5. Alarm message in text form or numeric form shown on the screen 6. The numeric of the alarming			

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			measurement flashes on the screen			
			G. Storage			
			1. The machine must have a minimum of 60 hours waveform storage and playback 2. The machine must have a patient searchable data base			
			H. Recorder			
			1. with a built-in high resolution, multi-channel thermal printer recorder 2. Compatible with 150/152 mm width thermo sensitive paper 3. Compatible with both 20bpm/cm and 30bpm/cm FHR scaling 4. Printing speed must be adjustable 5. Fast printing speed at least 25 mm/sec 6. Trace annotation of FHR1 trace/mark, FHR2 trace/mark, TOCO trace, AFM trace, fetal movement mark, doctor event mark, AUTO-zero symbol, date, time, printing speed, ID, Name, FHR2 Offset 7. One (1) hour data caching function			
			I. Battery			
			1. Li-ion rechargeable battery for at least 4 hours continuous work			

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			2. The cycle life of the battery must be over 500 times 3. The battery can be fully recharged within 10 hours 4. The nominal capacity of battery is at least 4400mAh			
			J. Indicators			
			1. The machine must have alarm indicator 2. The machine must have charge indicator 3. The machine must have AC indicator 4. The machine must have power indicator			
			K. Fetal Stimulator			
			1. The unit size must not be larger than 150 (L) x 48.5 (W) x 58 (H) mm 2. The vibration frequency must be 30-80Hz 3. The vibration severity must be greater than 100 gal. 4. The unit must be offered with battery 5. The cycle life of the unit must be about 7000 times 6. The unit must comply with two working modes: 3 sec and continuous			
			L. Power supply			
			1. Operating Voltage: a.c. 100V-240V 2. Line Frequency: 50/60Hz			

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			3. Fuse: T1.6AL 250V			
			M. Maternal Monitors			
			1. Blood pressure cuff 2. Heart rate monitor 3. Temperature monitor 4. Oxygen saturation monitor 5. ECG			
TOTAL APPROVED BUDGET FOR THE CONTRACT:				**Php1,000,000.00**		

TERMS AND CONDITIONS:

A. Requirement/s if declared as Lowest/Single Calculated Bids:

1. Presentation of Technical data sheet and/or presentation of a prototype equipment within seven (7) calendar days after receipt of Notice of Lowest / Single Calculated Bid. Prototype equipment will be tested on actual patients for performance (eg. battery life, durability of the screen).

B. Requirement/s if awarded the contract:

1. Delivery Period: Within Ninety (90) calendar days after receipt of Notice to Proceed (NTP).
2. Delivery Place: Equipment Section, Property & Supply Division, Philippine General Hospital, Taft Avenue, Manila
3. Warranty Period / Coverage of Warranty: Two (2) years on parts and services. Free quarterly preventive maintenance during the warranty period. Warranty Period shall commence from the date of acceptance by the end user.
4. Signed service level agreement with the Philippine General Hospital. Undertaking must be submitted.
5. Manuals: Original hard copy (not photocopy) or soft copy of operator manuals in English Language
6. Training: Product orientation for end users and troubleshooting training for at least two (2) biomedical engineers for at least 3 days.
7. Quotation of the Annual Preventive Maintenance Cost after the warranty period expires.

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8. Acceptance Procedures and Parameters: Visual and functional testing. Successful use of the equipment for at least one patient without any technical problems.

C. Documents Required of the bidder to be submitted during Post-Qualification:

1. Brochures/Technical data Sheet.
2. SEC registration to prove that the supplier is in the business of importing and supplying medical equipment.
3. Certified true copy of the Certificate of Distributorship for the last three (3) years. The principal and the local distributor must have been in business partnership for at least three (3) years.
4. The Brand must have been in the local market for the past five (5) years. Proof required: Invoices or Purchase Orders.
5. The brand must have been installed in at least five (5) government and/or private hospitals. A list of the hospital and contact number must be submitted.
6. Certification by the supplier that at least one service engineer is available locally to provide quick on-site support
7. List of local Service Center/s
8. Certificate of Performance Evaluation from the Single Largest Contract.
9. License to Operate (LTO) from the Philippine FDA.

D. Documents required of the principal to be submitted during Post-Qualification

1. Certification that the manufacturer has been in the business of manufacturing maternal-fetal monitor for at least 10 years.
2. Guarantee letter from the manufacturer and local distributor to ensure availability of supplies, parts and accessories for at least ten (10) years after expiration of the warranty period.
3. Certification by the principal that service engineers are factory trained on service and repair.
4. ISO/IEC compliance documents of the manufacturer.
5. List of the manufacturer's office and contact details in the following territories: Western Europe, US/Canada and Japan.

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